

# ANUP RANJAN

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## SUMMARY

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- Visionary IT Engineering leader with over 20 years of experience leading global software engineering, platform modernization, and digital transformation initiatives.
- Proven success in defining and executing enterprise cloud strategies, including end-to-end GCP deployment planning and execution tailored to business-critical applications.
- Experienced in leading cross-functional and geographically distributed teams, delivering secure, scalable, and high-performance platforms.
- Deep expertise in developer productivity, CI/CD, observability, and infrastructure automation, with a track record of aligning technology initiatives with business objectives.
- Skilled in managing technical debt, elevating code quality, and mentoring engineering leaders to scale technical organizations.
- Hands-on experience with web technologies backend platforms (Java, Spring Boot), and multi-cloud architectures (GCP, AWS, Azure).
- Committed to driving innovation, operational excellence, and long-term technology strategy to support growth and resilience at the enterprise level.

## EDUCATION

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**William and Mary, Raymond A. Mason School of Business, Williamsburg, VA, USA**

Master of Business Administration (MBA)

Aug 2022

**Visveswaraya Technological University, Karnataka, Belgaum, India**

Bachelor of Engineering

*Major: Computer Science and Engineering*

## RELEVANT EXPERIENCE

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**Autozone, Memphis, TN, USA**

*Manager IT*

*Apr 2023 – Present*

- Leading a team of 15+ engineers across offshore, nearshore, and onshore locations, focusing on developer productivity and platform engineering.
- Overseeing DevOps and IT-managed services, improving order commit success rates from 95% to 97.5% through automation and CI/CD enhancements.
- Implemented best practices for testing frameworks, build systems, and developer tooling, enhancing software delivery pipelines.
- Spearheaded the migration of autozone.com front end application from on-premises to GCP, improving scalability, performance, and cost efficiency (25% savings).
- Currently Spearheading the migration of autozone.com backend ATG application from on-premises to GCVE, improving scalability, performance, and cost efficiency (additional 5% savings).
- Implemented SRE-aligned monitoring and alerting systems to enhance web application reliability, reducing incident frequency by 30%.
- Partnered with senior engineers to manage architecture trade-offs, addressing technical debt and ensuring long-term code quality.
- Established vendor management processes, ensuring compliance with SLAs and regulatory requirements such as PCI.
- Collaborated with infoSec and appSec to implement standards in GKE for PCI audits.
- Ensured vulnerability management compliance rate of 98% for our ecomm B2C infrastructure.
- Making sure to have CMDB updated with correct information.

- Successfully onboarded new bot mitigation solution for protecting from malicious attacks, thus improving our KPI to 99%.
- Currently implementing Gen AI based document search for our technical documentation.
- Successfully led the strategic migration of ITSM platforms from vendor-managed solutions to in-house systems, driving greater control, cost-efficiency, and agility potential saving of 50% in cost.
- Guided, mentored, and inspired cross-functional teams to achieve engineering objectives and career growth.
- Set individual and team OKRs, delegated responsibilities strategically, and monitored progress through regular reviews.
- Created inclusive environments for open communication, conflict resolution, and shared accountability.
- Participated in hiring processes, onboarding, and mentoring engineers and team leads.
- Conducted performance reviews, coaching sessions, and built capability roadmaps aligned to career growth.
- Oversaw budgets, project resources, and cross-team coordination across multiple programs.
- Drove roadmap execution in alignment with business impact, prioritizing platform scalability and API reliability.
- Ensured compliance with enterprise policies, PCI regulations, and platform reliability standards.

## **Ferguson, Newport News, VA, USA**

*Principal Software Engineer*

*Aug 2018 – Feb 2023*

- Led multiple teams with total of 20+ team members located cross geography at offshore, nearshore and onshore. My team included technical leads, developers, senior developers.
- Served as a project manager for upgrading our Content management system from older to newer version for all environments.
- Successfully managed the project of \$40000 requiring 3000+resource hours.
- Led all aspects of project starting from capacity planning, resource allocation, project documentation, external team engagement and change management.
- Manage and attend Daily scrum, develop continuous integration. Involved in sprint planning and retrospectives.
- Initiated and led activities for implementing of best practices and enhanced project wide efficiencies by creating 3+ filters and dashboard in JIRA in order to monitor the progress of issues and bugs and also change tickets.
- Address and resolve project risks, roadblocks, and obstacles while securing resources to efficiently completely deliverables.
- Worked to design logical and physical architecture artifacts for ecommerce search applications.
- Technical lead for researching, recommending, testing, and implementing of a new search engine vendor to update the website's capabilities for over 1000+ clients searching products and services.
- Executed against iteration plans to deliver website capabilities within scope, schedule, and budget.
- Worked with SEO team to implement correct SEO URLs which increase their searches by 25%.
- Collaborate with product, development, and operations teams to design and implement an enhanced indexing process for 2 million products resulting in website updates being provided hourly versus daily. Thus, increasing add to cart by 10%.
- Worked with all management levels and communicated effectively with technical and business audiences.
- Contributor to cross-functional performance improvement initiative which reduced company website's page load time by 12%.
- Responsible for the stability of the company website and have reduced priority 1 incidents to only one in last 6 months of FY 2000.
- Initiated and led activities for implementing of best practices across technical teams to better manage version controlling and delegated initiative responsibilities to my subordinates.
- Initiated and led activities of red and blue strategy in relation to CI/CD.
- Initiated and led implementation of Redis cache for caching and user session replication for red and blue strategy.
- Initiated and led implementation of containerization of ATG/Endeca application to be hosted on Azure cloud.

- Worked on re-platforming of e-Commerce keyword search and typeahead from Endeca to Lucidworks Fusion.
- Integrated ATG with Lucidworks fusion using REST API.
- The implementation of new search engine led to 8% increase in customer searches conversion to purchase during A/B testing phase in first quarter of 2021.
- As per my initiative to utilize Machine learning capability of Lucidworks Fusion, there was 12% improvement in search accuracy per customer segment.
- Worked to provide application support, bug fixing and maintenance of the new Lucid works fusion.
- Designed the springboot based application to ingest PIM file from Azure Blob, parse the file and put it in Elastic search for intermediate storage and then finding differences and then write the JSON based file to GCP bucket.
- Demonstrated ability to execute in a fast-paced working environment with strong organizational and time management skills.
- Supported off-hours work as required, including weekends, holidays, on-call responsibilities on a rotational basis.

## PRIOR POSITIONS

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### **TAISTech, Addison, TX, USA**

*Endeca Senior Developer*

*June 2014 - Aug 2018*

### **Cognizant Technology Solution, College Station, TX, USA**

*Lead e-Commerce*

*Jan 2014 – June 2014*

### **Cognizant Technology Solution, Bangalore, Karnataka, India**

*Senior Associate*

*May 2012 – Jan 2014*

### **Sapient, Bangalore, Karnataka, India**

*Senior Associate Technology(L1)*

*Aug 2009 – Apr 2012*

### **Tata Consultancy Services, Mumbai, Maharashtra, India**

*Assistant Systems Engineer (ASE)*

*Dec 2004 – May 2009*

## TECHNICAL EXPERTISE

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**Programming Languages:** JAVA, Python 3.6, R and UNIX Shell scripting.

**Operating Systems:** UNIX, LINUX RHEL, MacOS, Windows

**Application & Webserver Servers:** JBOSS, Apache Tomcat, WebLogic, IBM WebSphere, Apache

**Technology:** Enterprise Search and Web development, Object Oriented Programming, Blockchain, Cloud Technology.

**Search Engines:** Endeca, Lucid works Fusion, Solr.

**Ecommerce tools:** ATG, IBM WebSphere commerce, Salesforce Commerce

**SCM Tools:** Git, SVN

**Build and Deployment Tools:** Gradle, Ant, Maven

**CI/CD:** GitHub Actions, Jenkins, Gitlab Pipeline

**Containerization Tool:** Docker, Kubernetes

**Configuration Management Tool:** Ansible, Terraform

**Logging and Monitoring:** Dynatrace, Grafana, ELK. Splunk, AppDynamics

**AI Coding Agent Tool:** Cody

**AI code review tool:** Code rabbit

**Code security scan tool:** Fortify, Gripe

**Code quality tool:** SonarQube

**Artifact repository manager:** Nexus and Artifactory

**DBMS:** Oracle 12c, SQL

**Cloud Technologies:** AWS, Azure, GCP

**Domains:** eCommerce, Retail

**Agile/Project management Tool:** JIRA, MS-Project, Confluence

**Design Patterns:** Factory, MVC2(Spring, Springboot and Struts), Dependency Injection, REST API design.

**IDE:** Eclipse, Endeca Developer Studio, Eclipse, WCS RAD 7.0, IntelliJ, PyCharm, VS-code, Anaconda

**Content Management System:** Oracle WebCenter Sites

## **ADDITIONAL LEADERSHIP INFORMATION**

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### **Leadership:**

- Member of W&M Honor Council Appeals Committee in 2021 and 2022.
- Member of W&M Honor Council in 2022.
- Social Media Manager for W&M Student's Assembly in 2022.
- William & Mary MBA Student Ambassador in 2020, 2021 and 2022.

### **Certifications:**

- Certified Blockchain Expert by Blockchain council in 2018.
- Six Sigma Green Belt by College of William and Mary in 2022.
- ITIL® v4 Foundation by PeopleCert in Jun 2025.

### **Awards and Recognitions:**

- **Top Trainer** (For training employees on Endeca search) by Cognizant Technology Solutions, Bangalore, India in 2013.

**Languages:** Fluent in English and Hindi